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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/895,382

DATE: 10/10/2001

TIME: 09:59:38

Input Set : A:\210213US0.txt

Output Set: N:\CRF3\10102001\I895382.raw

5 <110> APPLICANT: OHTAKI, HIROMI  
7 NAKAMURA, JUN  
9 IZUI, HIROSHI  
11 NAKAMATSU, TSUYOSHI  
15 <120> TITLE OF INVENTION: BACTERIUM PRODUCING L-GLUTAMIC ACID AND METHOD FOR PRODUCING  
L-GLUTAMIC  
16 ACID  
20 <130> FILE REFERENCE: 210213US0  
24 <140> CURRENT APPLICATION NUMBER: 09/895,382  
26 <141> CURRENT FILING DATE: 2001-07-02  
30 <150> PRIOR APPLICATION NUMBER: JP 2000-204256  
32 <151> PRIOR FILING DATE: 2000-07-05  
36 <160> NUMBER OF SEQ ID NOS: 34  
40 <170> SOFTWARE: PatentIn version 3.1  
44 <210> SEQ ID NO: 1  
46 <211> LENGTH: 20  
48 <212> TYPE: DNA  
50 <213> ORGANISM: Artificial Sequence  
54 <220> FEATURE:  
56 <223> OTHER INFORMATION: Synthetic DNA  
58 <220> FEATURE:  
60 <221> NAME/KEY: misc\_feature  
62 <222> LOCATION: (3)..(3)  
64 <223> OTHER INFORMATION: n = a, c, g, or t  
68 <220> FEATURE:  
70 <221> NAME/KEY: misc\_feature  
72 <222> LOCATION: (9)..(9)  
74 <223> OTHER INFORMATION: n = a, c, g, or t  
78 <220> FEATURE:  
80 <221> NAME/KEY: misc\_feature  
82 <222> LOCATION: (18)..(18)  
84 <223> OTHER INFORMATION: n = a, c, g, or t  
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W--> 89 canathgggt tyttytnca bV  
92 <210> SEQ ID NO: 2  
94 <211> LENGTH: 19  
96 <212> TYPE: DNA  
98 <213> ORGANISM: Artificial Sequence ✓  
102 <220> FEATURE:  
104 <223> OTHER INFORMATION: Synthetic DNA ✓  
106 <220> FEATURE:  
108 <221> NAME/KEY: misc\_feature  
110 <222> LOCATION: (3)..(3)  
112 <223> OTHER INFORMATION: n= a, c, g, or t  
116 <220> FEATURE:  
118 <221> NAME/KEY: misc\_feature  
120 <222> LOCATION: (12)..(12)  
122 <223> OTHER INFORMATION: n= a, c, g, or t

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126 <220> FEATURE:  
 128 <221> NAME/KEY: misc\_feature  
 130 <222> LOCATION: (18)..(18)  
 132 <223> OTHER INFORMATION: n= a, c, g, or t  
 136 <400> SEQUENCE: 2  
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 140 <210> SEQ ID NO: 3  
 142 <211> LENGTH: 23  
 144 <212> TYPE: DNA  
 146 <213> ORGANISM: Artificial Sequence ✓  
 150 <220> FEATURE:  
 152 <223> OTHER INFORMATION: Synthetic DNA ✓  
 154 <400> SEQUENCE: 3  
 155 gaatcatcca tataagatcc ggc 23  
 158 <210> SEQ ID NO: 4  
 160 <211> LENGTH: 24  
 162 <212> TYPE: DNA  
 164 <213> ORGANISM: Artificial Sequence  
 168 <220> FEATURE:  
 170 <223> OTHER INFORMATION: Synthetic DNA ✓  
 172 <400> SEQUENCE: 4  
 173 tagctttgta gttgttgcta accg 24  
 176 <210> SEQ ID NO: 5  
 178 <211> LENGTH: 24  
 180 <212> TYPE: DNA  
 182 <213> ORGANISM: Artificial Sequence  
 186 <220> FEATURE:  
 188 <223> OTHER INFORMATION: Synthetic DNA ✓  
 190 <400> SEQUENCE: 5  
 191 agcgaacttg aggtttactt cccg 24  
 194 <210> SEQ ID NO: 6  
 196 <211> LENGTH: 24  
 198 <212> TYPE: DNA  
 200 <213> ORGANISM: Artificial Sequence  
 204 <220> FEATURE:  
 206 <223> OTHER INFORMATION: Synthetic DNA ✓  
 208 <400> SEQUENCE: 6  
 209 tgctggttcc tggcattttg cgcc 24  
 212 <210> SEQ ID NO: 7  
 214 <211> LENGTH: 20  
 216 <212> TYPE: DNA  
 218 <213> ORGANISM: Artificial Sequence  
 222 <220> FEATURE:  
 224 <223> OTHER INFORMATION: Synthetic DNA ✓  
 226 <400> SEQUENCE: 7  
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 230 <210> SEQ ID NO: 8  
 232 <211> LENGTH: 21  
 234 <212> TYPE: DNA

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236 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
242 <223> OTHER INFORMATION: Synthetic DNA ✓
244 <400> SEQUENCE: 8
245 gaatcccacc aaatctgcgc c 21
248 <210> SEQ ID NO: 9
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252 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic DNA ✓
262 <400> SEQUENCE: 9
263 tgatgttgaa atgtttgggg 20
266 <210> SEQ ID NO: 10
268 <211> LENGTH: 20
270 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
278 <223> OTHER INFORMATION: Synthetic DNA ✓
280 <400> SEQUENCE: 10
281 gatgtcatgc tggttacgcc 20
284 <210> SEQ ID NO: 11
286 <211> LENGTH: 22
288 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic DNA ✓
298 <400> SEQUENCE: 11
299 caaagcacca gtgccgtcgc gg 22
302 <210> SEQ ID NO: 12
304 <211> LENGTH: 24
306 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
314 <223> OTHER INFORMATION: Synthetic DNA ✓
316 <400> SEQUENCE: 12
317 tgttcgtttt cattcgcgtt gccg 24
320 <210> SEQ ID NO: 13
322 <211> LENGTH: 24
324 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
332 <223> OTHER INFORMATION: Synthetic DNA ✓
334 <400> SEQUENCE: 13
335 atagtttcct ggattgtttg gcgc 24
338 <210> SEQ ID NO: 14
340 <211> LENGTH: 18
342 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence

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348 <220> FEATURE:
350 <223> OTHER INFORMATION: Synthetic DNA ✓
352 <220> FEATURE:
354 <221> NAME/KEY: misc_feature
356 <222> LOCATION: (9)..(9)
358 <223> OTHER INFORMATION: n = a, c, g, or t
362 <400> SEQUENCE: 14
W--> 363 caraayccht ggtggtgg ork 18
366 <210> SEQ ID NO: 15
368 <211> LENGTH: 20
370 <212> TYPE: DNA
372 <213> ORGANISM: Artificial Sequence
376 <220> FEATURE:
378 <223> OTHER INFORMATION: Synthetic DNA ✓
380 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
384 <222> LOCATION: (3)..(3)
386 <223> OTHER INFORMATION: n = a, c, g, or t
390 <220> FEATURE:
392 <221> NAME/KEY: misc_feature
394 <222> LOCATION: (6)..(6)
396 <223> OTHER INFORMATION: n = a, c, g, or t
400 <220> FEATURE:
402 <221> NAME/KEY: misc_feature
404 <222> LOCATION: (15)..(15)
406 <223> OTHER INFORMATION: n = a, c, g, or t
410 <400> SEQUENCE: 15
W--> 411 ggncgncgrt trtcnggrtc ork 20
414 <210> SEQ ID NO: 16
416 <211> LENGTH: 20
418 <212> TYPE: DNA
420 <213> ORGANISM: Artificial Sequence
424 <220> FEATURE:
426 <223> OTHER INFORMATION: Synthetic DNA ✓
428 <400> SEQUENCE: 16
429 cgagctcttc attgatggcg 20
432 <210> SEQ ID NO: 17
434 <211> LENGTH: 20
436 <212> TYPE: DNA
438 <213> ORGANISM: Artificial Sequence
442 <220> FEATURE:
444 <223> OTHER INFORMATION: Synthetic DNA ✓
446 <400> SEQUENCE: 17
447 gcagctacac acgagttggg 20
450 <210> SEQ ID NO: 18
452 <211> LENGTH: 20
454 <212> TYPE: DNA
456 <213> ORGANISM: Artificial Sequence
460 <220> FEATURE:

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DATE: 10/10/2001

PATENT APPLICATION: US/09/895,382

TIME: 09:59:38

Input Set : A:\210213US0.txt

Output Set: N:\CRF3\10102001\I895382.raw

462 <223> OTHER INFORMATION: Synthetic DNA ✓  
464 <400> SEQUENCE: 18  
465 gcaacaccta aatggttggg 20  
468 <210> SEQ ID NO: 19  
470 <211> LENGTH: 20  
472 <212> TYPE: DNA  
474 <213> ORGANISM: Artificial Sequence  
478 <220> FEATURE:  
480 <223> OTHER INFORMATION: Synthetic DNA ✓  
482 <400> SEQUENCE: 19  
483 gcaagaagtc tacaagcgcc 20  
486 <210> SEQ ID NO: 20  
488 <211> LENGTH: 16  
490 <212> TYPE: DNA  
492 <213> ORGANISM: Artificial Sequence  
496 <220> FEATURE:  
498 <223> OTHER INFORMATION: Synthetic DNA ✓  
500 <400> SEQUENCE: 20  
501 gccaacgtat tcacgg 16  
504 <210> SEQ ID NO: 21  
506 <211> LENGTH: 20  
508 <212> TYPE: DNA  
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514 <220> FEATURE:  
516 <223> OTHER INFORMATION: Synthetic DNA ✓  
518 <400> SEQUENCE: 21  
519 tgatgaacca ctgatcccc 20  
522 <210> SEQ ID NO: 22  
524 <211> LENGTH: 20  
526 <212> TYPE: DNA  
528 <213> ORGANISM: Artificial Sequence  
532 <220> FEATURE:  
534 <223> OTHER INFORMATION: Synthetic DNA ✓  
536 <400> SEQUENCE: 22  
537 aagacaccac cttctaccgc 20  
540 <210> SEQ ID NO: 23  
542 <211> LENGTH: 20  
544 <212> TYPE: DNA  
546 <213> ORGANISM: Artificial Sequence  
550 <220> FEATURE:  
552 <223> OTHER INFORMATION: Synthetic DNA ✓  
554 <400> SEQUENCE: 23  
555 caagtggaat tctgcagcgg 20  
558 <210> SEQ ID NO: 24  
560 <211> LENGTH: 21  
562 <212> TYPE: DNA  
564 <213> ORGANISM: Artificial Sequence  
568 <220> FEATURE:  
570 <223> OTHER INFORMATION: Synthetic DNA ✓

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/895,382

DATE: 10/10/2001

TIME: 09:59:40

Input Set : A:\210213US0.txt

Output Set: N:\CRF3\10102001\I895382.raw

L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31